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Solution structure of the granular starch binding domain of *Aspergillus niger* glucoamylase bound to β -cyclodextrin

[cell.com](#) [HTML]

K Sorimachi, MFL Gai-Coëffet, G Williamson, DB ... - Structure, 1997 - Elsevier

... All rights reserved. Research Article. Solution structure of the granular starch binding domain of *Aspergillus niger* glucoamylase bound to β -**cyclodextrin**. ... Author Keywords: β -**cyclodextrin**; glucoamylase 1; NMR; solution structure; starch-binding domain. ...

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Cyclodextrins as protein folding aids

N Karuppiiah, A Sharma - Biochemical and biophysical research ..., 1995 - Elsevier

... The enhanced protein reactivation by **cyclodextrins** may be due to their ability to bind to hydrophobic sites in protein folding ... such as insulin, tissue plasminogen activator and human deoxyribonuclease (2). Many of these proteins are presently produced by *Escherichia coli* in ...

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Cyclodextrin and method for promoting the proliferation of intestinal bifidobacteria

C Yoshikumi, K Sakurai, Y Omura, M Nohara, T ... - US Patent ..., 1984 - Google Patents

... of the strain *Escherichia coli* *Staphylococcus aureus* *Bacillus subtilis* IFO 12734 IAM 1011 IAM 1069 ... 0.05 ml of the aqueous cy- clodextrin solution (α -, β - or γ -**cyclodextrin** being of ... at the highest concentration) and 0.1 ml of aqueous suspension of **Salmonella** typhimurium TA 98 ...

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[CITATION] Cloning and expression of the *Thermoanaerobacter* sp. **cyclodextrin** glycosyl transferase gene in *Escherichia coli* and *Bacillus subtilis*

... Starnes, K Amemiya, PL Jorgensen, S ... - ... **CYCLODEXTRINS**, 1993 - EDITIONS DE SANTE

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Advances in refolding of proteins produced in *E. coli*

[mnstate.edu](#) [PDF]

H Lilie, E Schwarz, R Rudolph - Current Opinion in Biotechnology, 1998 - Elsevier

... of the unfolded protein low, thus limiting aggregation, Advances in refolding of proteins produced in *E. coli* Lilie, Schwarz ... Expression vectors and delivery systems detergents, inhibiting renaturation, have to be removed after dilution by addition of **cyclodextrin**, which specifically ...

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[HTML] Cholesterol is required for surface transport of influenza virus hemagglutinin

[rupress.org](#) [HTML]

P Keller, K Simons - The Journal of cell biology, 1998 - jcb.rupress.org

... containing or not lovastatin/mevalonate was added, and the cells were incubated for 2.5 h at 37°C. Thereafter, the cells grown and infected in the presence of lovastatin/mevalonate were

treated for 30 min at 37°C with 1 ml 10 mM methyl- β -**cyclodextrin** in **infection** medium. ...

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Substrate binding to a **cyclodextrin** glycosyltransferase and mutations increasing the γ -**cyclodextrin** production

G Parsiegla, AK Schmidt, GE ... - European Journal of ..., 1998 - interscience.wiley.com

... Biol. 209, 793800. 8. Nitschke, L., Heeger, K., Bender, H. & Schulz, GE (1990) Molec- ular cloning, nucleotide sequence and expression in Escherichia **coli** of the β -**cyclodextrin** glycosyltransferase gene from Bacillus circulans strain no. 8, Appl. Microbiol. Biotechnol. 33, 542546. ...

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High expression of glycogen-debranching enzyme in Escherichia **coli** and its competent purification method

A Nakayama, K Yamamoto, S Tabata - Protein Expression and ..., 2000 - Elsevier

... The method requires only a single-step purification via β -**cyclodextrin**-immobilized Sepharose 6B (β -CD Sepharose 6B) affinity chromatography and ... With the highly expressed GDE in recombinant E. **coli** and a rapid and effective purification method, we successfully resolved the ...

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Antibacterial activity of ciprofloxacin-beta-**cyclodextrin** complex and its efficacy in dental implants.

KS Aithal, N Udupa, BR Varma, R Kurian - 1995 - imsear.hellis.org

... 1995 Oct-Dec; 6(4): 123-8. Type: Journal Article. Abstract: Ciprofloxacin forms an inclusion complex with beta-**cyclodextrin**. The in vitro antibacterial activity of ciprofloxacin on E. **coli** and Staphylococcus aureus was found better on complexation. ...

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[PDF] Engineering of **cyclodextrin** glycosyltransferase reaction and product specic city1

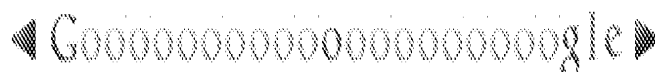
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B Van der Veen, JCM Ulteehaag, BW ... - ... et Biophysica Acta. 2000 - gbb.eldoc.ub.rug.nl

Review Engineering of **cyclodextrin** glycosyltransferase reaction and ... Received 9 February 2000; received in revised form 1 August 2000; accepted 28 August 2000 Keywords: **Cyclodextrin** glycosyltransferase; K-Amylase; Transglycosylation; **Cyclodextrins**; Product speciçcity ...

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